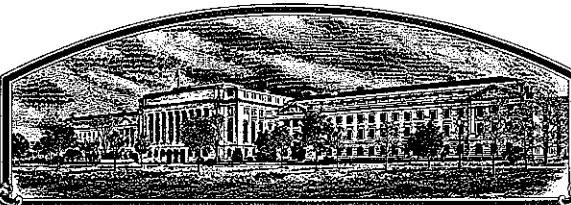


No.

9500178



THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

DEKALB Genetics Corporation

Whereas, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED, PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR EXPORTING IT, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE PURPOSES, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

SOYBEAN

'CX351'

In Testimony Whereof, I have hereunto set my hand and caused the seal of the Plant Variety Protection Office to be affixed at the City of Washington, D.C. this thirty-first day of December in the year of our Lord one thousand nine hundred and ninety-six.

Attest:

Marsha A. Stanton
Commissioner
Plant Variety Protection Office
Agricultural Marketing Service

Earl F. Bickman
Secretary of Agriculture

REPRODUCE LOCALLY. Include form number and date on all reproductions.

FORM APPROVED - OMB NO. 0581-0055

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
SCIENCE DIVISION - PLANT VARIETY PROTECTION OFFICE

The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C. 552a).

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426).

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE

(Instructions and information collection burden statement on reverse)

1. NAME OF APPLICANT(S) (as it is to appear on the Certificate)

DEKALB Genetics Corporation

2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER

EX435

3. VARIETY NAME

CX351

4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code, and Country)

3100 Sycamore Road
DeKalb, IL 60115

5. TELEPHONE (include area code)

(815) 758-3461

6. FAX (include area code)

(815) 756-2094

FOR OFFICIAL USE ONLY

PVPO NUMBER

9500178

DATE

MAY 17, 1995

FILING AND EXAMINATION FEE

2450.00

DATE

May 15, 1995

CERTIFICATION FEE

300.00

DATE

Dec 4, 1995

7. GENUS AND SPECIES NAME

Glycine max L. Merr.

8. FAMILY NAME (Botanical)

Leguminosae

9. CROP KIND NAME (Common name)

Soybean

10. IF THE APPLICANT NAMED IS NOT A "PERSON", GIVE FORM OF ORGANIZATION (corporation, partnership, association, etc.) (Common name)

Corporation

11. IF INCORPORATED, GIVE STATE OF INCORPORATION

Delaware

12. DATE OF INCORPORATION

June 15, 1988

13. NAME AND ADDRESS OF APPLICANT REPRESENTATIVE(S), IF ANY, TO SERVE IN THIS APPLICATION AND RECEIVE ALL PAPERS

Robert E. Roman, Jr.
DEKALB Genetics Corporation
3100 Sycamore Road
DeKalb, IL 60115

&

R. Mark Lawson, Ph.D.
DEKALB Genetics Corporation
3100 Sycamore Road
DeKalb, IL 60115

14. TELEPHONE (include area code)

(815) 758-3461

16. FAX (include area code)

(815) 756-2094

16. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED (Follow instructions on reverse)

- a. ☒ Exhibit A. Origin and Breeding History of the Variety
b. ☒ Exhibit B. Statement of Distinctness
c. ☒ Exhibit C. Objective Description of the Variety
d. ☐ Exhibit D. Additional Description of the Variety
e. ☒ Exhibit E. Statement of the Basis of the Applicant's Ownership
f. ☒ Voucher Sample (2,500 viable untreated seeds or, for tuber propagated varieties verification that tissue culture will be deposited and maintained in a public repository)
g. ☒ Filing and Examination Fee (\$2,450), made payable to "Treasurer of the United States" (Mail to PVPO)

17. DOES THE APPLICANT SPECIFY THAT SEED OF THIS VARIETY BE SOLD BY VARIETY NAME ONLY, AS A CLASS OF CERTIFIED SEED? (See Section 83(a) of the Plant Variety Protection Act)
☐ YES (If "yes," answer items 18 and 19 below) ☒ NO (If "no," go to item 20)

18. DOES THE APPLICANT SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS?
☐ YES ☐ NO

19. IF "YES" TO ITEM 18, WHICH CLASSES OF PRODUCTION BEYOND BREEDER SEED?
☐ FOUNDATION ☐ REGISTERED ☐ CERTIFIED

20. HAS THE VARIETY OR A HYBRID PRODUCED FROM THE VARIETY BEEN RELEASED, USED, OFFERED FOR SALE, OR MARKETED IN THE U.S. OR OTHER COUNTRIES?
☒ YES (If "yes," give names of countries and dates) 02 ☐ NO

USA Spring 1995

21. The applicant(s) declare that a viable sample of basic seed of the variety will be furnished with application and will be replenished upon request in accordance with such regulations as may be applicable, or for a tuber propagated variety a tissue culture will be deposited in a public repository and maintained for the duration of the certificate.

The undersigned applicant(s) is(are) the owner(s) of this sexually reproduced or tuber propagated plant variety, and believe(s) that the variety is new, distinct, uniform, and stable as required in Section 41, and is entitled to protection under the provisions of Section 42 of the Plant Variety Protection Act.

Applicant(s) is(are) informed that false representation herein can jeopardize protection and result in penalties.

SIGNATURE OF APPLICANT (Owner(s))

Mark Lawson

NAME (Please print or type)

R. Mark Lawson

CAPACITY OR TITLE

DATE

5-5-95

SIGNATURE OF APPLICANT (Owner(s))

NAME (Please print or type)

CAPACITY OR TITLE

DATE

Director, Research Operations

EXHIBIT A**Origin and Breeding History**
CX351

CX351 is an F3 plant selection from the cross CX366.Asgrow A3733.

Summer 1987	The cross CX366 x A3733 was made.
Winter 1987-88	F1 generation was grown (range 1, rows 31 and 32). F2 generation was grown (range 31, rows 1-10 and range 32, rows 1-11).
Summer 1988	F3 generation was grown (range 556, rows 17-40 and range 557, rows 1-16).
Summer 1989	Individual F4 plant rows were grown (range 35, row 24 through range 48, row 33). Range 42, row 27 was selected.
Summer 1990	F5 seed was yield tested.
Summer 1991	F6 seed was yield tested and 130 pounds of seed was produced.
Summer 1992	F7 seed was yield tested and 134 bushels of breeder seed was produced.
Summer 1993	F8 seed was yield tested and 950 bushels of foundation seed was produced.
Summer 1994	F9 seed was yield tested and 21,617 bushels of registered seed was produced.
February 1995	F10 seed was given the variety name CX351.

Statement of Stability and Uniformity

Soybean variety CX351 has been judged to be uniform for breeding use and testing after six generations of selfing. CX351 was reproduced and judged uniform and stable for an additional three generations.

Statement of Variants

CX351 shows no variants other than what would normally be expected due to environment or that would occur for almost any characteristic during the course of repeated sexual reproduction.

EXHIBIT BStatement of Distinctness

CX351 most closely resembles CX329; however, CX329 is resistant to Race 4 phytophthora root rot and has shiny seed coat luster whereas CX351 is susceptible to Race 4 phytophthora root rot and has dull seed coat luster.

J2 WA 12 6-12

020-12-12-12

REC

OBJECTIVE DESCRIPTION OF VARIETY

Soybean Variety CX351

APPLICANT: DEKALB Genetics Corporation 3100 Sycamore Road DeKalb, IL 60115

- | | | |
|-----|------------------------------------|--------------------------------------|
| 1. | SEED SHAPE: | Spherical |
| 2. | SEED COAT COLOR: | (Mature Seed) Yellow |
| 3. | SEED COAT LUSTER: | (Mature Hand Shelled Seed) Dull |
| 4. | SEED SIZE: | (Mature Seed) 18 Grams per 100 seeds |
| 5. | HILUM COLOR: | (Mature Seed) Black |
| 6. | COTYLEDON COLOR: | (Mature Seed) Yellow |
| 7. | SEED PROTEIN PEROXIDASE ACTIVITY: | Low |
| 8. | SEED PROTEIN ELECTROPHORETIC BAND: | |
| 9. | HYPOCOTYL COLOR: | Dark Purple |
| 10. | LEAFLET SHAPE: | Ovate |
| 11. | LEAFLET SIZE: | Medium |
| 12. | LEAF COLOR: | Medium Green |
| 13. | FLOWER COLOR: | Purple |
| 14. | POD COLOR: | Tan |
| 15. | PLANT PUBESCENCE COLOR: | Tawny |
| 16. | PLANT TYPE: | Medium Bush |
| 17. | PLANT HABIT: | Indeterminate |
| 18. | MATURITY GROUP: | III |

19. DISEASE REACTION: (0=Not Tested; 1=Susceptible; 2=Resistant)

Bacterial Diseases:

Bacterial Pustule: 0
 Bacterial Blight: 0
 Wildfire: 0

Viral Diseases:

Bud Blight: 0
 Yellow Mosaic: 0
 Cowpea Mosaic: 0
 Pod Mottle: 0
 Seed Mottle: 0

Nematode Diseases:

Soybean Cyst Nematode

Race(s):

Lance Nematode: 0
 Southern Root Knot Nematode: 0
 Northern Root Knot Nematode: 0
 Peanut Root Knot Nematode: 0
 Reniform Nematode: 0
 Other:

Fungal Diseases:

Brown Spot: 0
 Frogeye Leaf Spot: 0
 Target Spot: 0
 Downy Mildew: 0
 Powdery Mildew: 0
 Brown Stem Rot: 0
 Stem Canker: 0
 Pod and Stem Blight: 0
 Purple Seed Stain: 0
 Rhizoctonia Root Rot: 0
 Phytophthora Rot

Race(s): Race 1: 2

Race 2: 0

Race 3: 2

Race 4: 1

Race 5: 0

Race 6: 0

Race 7: 0

Race 8: 0

Race 9: 0

20. PHYSIOLOGICAL RESPONSES: (0=Not Tested; 1=Susceptible; 2=Resistant)

Iron Chlorosis on Calcareous Soil: 0
 Other: 0

21. INSECT REACTION: (0=Not Tested; 1=Susceptible; 2=Resistant)

Mexican Bean Beetle: 0
 Potato Leaf Hopper: 0
 Other: 0

22. INDICATE WHICH VARIETY MOST CLOSELY RESEMBLES THAT SUBMITTED:

Character	Name of Variety	Character	Name of Variety
Plant Shape	CX329	Seed Coat Luster	CX345
Leaf Shape	A3733	Seed Size	CX345
Leaf Color	A3733	Seed Shape	CX329
Leaf Size	CX329	Seedling Pigmentation	CX329

23. DATA FOR SUBMITTED AND SIMILAR STANDARD VARIETY: Paired Comparison Data

VARIETY	NO OF DAYS MATURITY	PLANT LODGING SCORE	PLANT HEIGHT CM	LEAFLET SIZE		SEED CONTENT		SEED SIZE G/100 SEEDS	NO. SEEDS /POD
				Width cm	Length cm	% Prot	% Oil		
CX351	133	1.6	90	--	--	35.0	19.4	17.8	2-3
CX329	130	1.6	88	--	--	35.6	18.8	16.8	2-3

REPRODUCE LOCALLY. Include form number and date on all reproductions.

FORM APPROVED - OMB NO. 0581-0055

EXPIRES: 12-31-06

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
SCIENCE AND TECHNOLOGY DIVISION - PLANT VARIETY PROTECTION OFFICEEXHIBIT E
STATEMENT OF THE BASIS OF OWNERSHIP

The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C. 552a) and the Paperwork Reduction Act (PRA) of 1995.

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426).

1. NAME OF APPLICANT(S) DEKALB Genetics Corporation	2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER EX435	3. VARIETY NAME CX351
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code, and Country) 3100 Sycamore Road DeKalb, IL 60115	5. TELEPHONE (include area code) (815) 758-3461	6. FAX (include area code) (815) 758-4106
7. PVPO NUMBER 9500178		
8. Does the applicant own all rights to the variety? Mark an "X" in appropriate block. If no, please explain. <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		
9. Is the applicant (individual or company) a U.S. national or U.S. based company? If no, give name of country <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		
10. Is the applicant the original breeder? If no, please answer the following: a. If original rights to variety were owned by individual(s): Is (are) the original breeder(s) a U.S. national(s)? If no, give name of country <input type="checkbox"/> YES <input type="checkbox"/> NO b. If original rights to variety were owned by a company: Is the original breeder(s) U.S. based company? If no, give name of country <input type="checkbox"/> YES <input type="checkbox"/> NO		
11. Additional explanation on ownership (if needed, use reverse for extra space):		

PLEASE NOTE:

Plant variety protection can be afforded only to owners (not licensees) who meet one of the following criteria:

1. If the rights to the variety are owned by the original breeder, that person must be a U.S. national, national of a UPOV member country, or national of a country which affords similar protection to nationals of the U.S. for the same genus and species.
2. If the rights to the variety are owned by the company which employed the original breeder(s), the company must be U.S. based, owned by nationals of a UPOV member country, or owned by nationals of a country which affords similar protection to nationals of the U.S. for the same genus and species.
3. If the applicant is an owner who is not the original breeder, both the original breeder and the applicant must meet one of the above criteria.

The original breeder may be the individual or company who directed final breeding. See Section 41(a)(2) of the Plant Variety Protection Act for definition.

Public reporting burden for this collection of information is estimated to average 10 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Agriculture, Clearance Officer, OIRM, AG Box 7630, Jennie L. Whitten Building, Washington, D.C. 20250. When replying, refer to OMB No. 0581-0055 and form number in your letter.

Under the PRA of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

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To file a complaint, write the Secretary of Agriculture, U.S. Department of Agriculture, Washington, D.C. 20250, or call (202) 720-7327 (voice) or (202) 720-1127 (TDD). USDA is an equal employment opportunity employer.